

L 12052-66

ACC NR: AP6002653

tion and echo, which were already predicted and observed. Excitation of gravitonic induction and echo differs from excitation of photonic induction and echo in that the external pulsed action gives rise to quantum superposition states not of electric multipoles but of a tremendous number of multipole moments of the masses of molecules, ions, or nuclei. The oscillations of the latter cause radiation not of coherent electromagnetic waves (CEW), but of CGW. Both the electromagnetic superradiating state and the gravitonic superradiating state can be produced by laser pumping, and by producing a superradiating electromagnetic state with a laser pump one can also force by the same token a tremendous number of mass multipoles to precess. A serious obstacle on the path of realization of a CGW generator is the electromagnetic radiative damping of the superradiating state. The damping time, however, can be lengthened many orders of magnitude by reducing the probability of spontaneous CEW emission via enclosing the radiation in an electromagnetic resonator and retaining the CEW radiation in the resonator. On the other hand, the intensity of CGW emission is not noticeably changed thereby, since the electromagnetic resonator cannot confine the gravitational waves, the the CGW emission will take place just as in free space. It is best to receive the CGW by means of the same medium as is used for generation, but thoroughly shielded against the action of CWE. Preliminary calculations presented by the author show that single-mode powerful

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ACC NR: AP6002653

lasers can emit a measurable power also in the form of CGW, amounting to 10^{-10} times the electromagnetic power delivered by the laser, and is therefore measurable. Authors are grateful to A. S. Borovik-Romanov and Ya. B. Zel'dovich for valuable remarks. Orig. art. has: 6 formulas. ⁷⁴ 55 ⁴⁴ 55

SUB CODE: 20/ SUBM DATE: 18Oct65/ ORIG REF: 006/ OTH REF: 006

GC
Card 3/3

L 25690-66 EWT(m)/T

ACC NR: AF6002725

SOURCE CODE: UR/0056/65/049/006/1836/1842

AUTHOR: Nagibarov, V. R.

ORG: Kazan' Physicotechnical Institute, Academy of Sciences SSSR (Kazanskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR)

TITLE: Quadrupole and nuclear spin interaction via the optical phonon virtual field

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 6, 1965, 1836-1842

TOPIC TAGS: spin system, magnetic dipole, quadrupole moment, nuclear spin, phonon interaction, electric field, spin relaxation, optic transition, dipole interaction, crystal lattice vibration

ABSTRACT: The author considers the influence of the interaction between the quadrupole moment (of the nuclei and electron shells) and the gradient of the electric field of optical oscillations in a crystal, on the cross relaxation transitions in a system of nuclear spins and orbital levels of impurity particles. The energy migration over the orbital levels via the optical-phonon virtual field is also considered. An expression is derived for the electric field gradient in the longitudinal and transverse directions, after which the probabilities of the nuclear transitions are derived. It is shown that at distances of the order of the lattice constant the probabilities of orientation of the nuclear spins, due to the interaction of the quadrupole moments of the nuclei via the virtual field of the optical phonons, can be of the same order as the probabilities of analogous processes due to magnetic dipole-dipole interactions.

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ACC NR: AP6002725

For distances r_{ij} between quadrupoles of the order of the lattice parameters, the cross relaxation transition probability varies like $1/r_{ij}^{10}$; for distances greatly exceeding the lattice constant it varies like $1/r_{ij}^4$ and $1/r_{ij}$. Numerical estimates indicate that processes of this type have high efficiency. Author thanks U. KH. Kopvillem for interest in the work and valuable remarks. Orig. art. has: 17 formulas.

SUB CODE: 20/ SUBM DATE: 11Jun65/ ORIG REF: 006/ OTH REF: 002

Card 2/2

L 31179-66 EWT(1) GG
ACC NR: AP6006835

SOURCE CODE: UR/0181/66/008/002/0484/0492

AUTHOR: Nagibarov, V. R.

ORG: Kazan Physicotechnical Institute AN SSSR (Kazanskiy fiziko-tekhicheskiy institut AN SSSR)

TITLE: Raman interaction processes through a phonon field

SOURCE: Fizika tverdogo tela, v. 8, no. 2, 1966, 484-492

TOPIC TAGS: Raman effect, phonon, relaxation process, crystal lattice vibration

ABSTRACT: The author considers interaction through a field of phonons between particles with noncoincident energy splitting, i. e. excitation is accompanied by production or annihilation of lattice vibration quanta. The effect of these transitions on relaxation processes in systems containing various impurities is also discussed. The Hamiltonian is given for a system of two particles, a sensitizer and an acceptor, in a crystal lattice. A diagram is given showing the transitions in this system of bound particles. It is shown that Raman processes of interaction through a field of phonons are an effective mechanism for transfer of excitation

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L 31179-66

ACC NR: AP6006835

energy between impurity particles at frequencies above and below the Debye frequency of the solvent. The probability of energy transfer from a sensitizer particle to any acceptor particle is calculated. The relaxation characteristics of the system are studied in the microwave and optical regions. It is found that Raman cross relaxation processes through a phonon field are possible between discrete states of various nature, e. g. between Zeeman and orbital impurity levels. The expressions derived in this paper may be used with slight variations for Raman cross relaxation transition accompanied by absorption of lattice vibration quanta. In conclusion I thank U. Kh. Kopyllem for interest in the work and valuable consultation. Orig. art. has: 2 figures, 17 formulas.

SUB CODE: 20/

SUBM DATE: 10Mar65/

ORIG REF: 011/

OTH REF: 003

Card 2/2 *LC*

L 36435-66 EWT(1)

ACC NR: AP6015422

SOURCE CODE: UR/0051/66/020/005/0809/0813

AUTHOR: Kopvillem, U. Kh.; Nagibarov, V. R.

ORG: none

TITLE: Effect of collective interactions on the form of optical lines and energy transfer processes

SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 809-813

TOPIC TAGS: dipole interaction, spectral line, Brownian motion, phonon, excitation energy, potential energy, line broadening

ABSTRACT: The effect of electric and magnetic dipole-dipole interactions on the broadening of spectral lines and the processes of diffusion of excitations in the optical range are treated, taking into account the processes of resonance and relaxation mechanisms of excitation transfer. H_2 interactions ($\delta = 1, 2, 3$), which determine the broadening of spectral lines and the lifetime of optically active centers $j(=1, \dots)$ in the excited state Ψ_j , are discussed: (1) electric dipole-dipole interactions via virtual states; (2) orbital magnetic dipole-dipole interactions via virtual states; (3) two-particle multipole-multipole interactions with the participation of phonons or Brownian motion quanta. The mechanisms of resonance transfer of potential energy quanta (magnons) between particles are examined. An expression is ob-

UDC: 535.337

Card 1/2

L 36435-66

ACC NR: AP6015422

tained for the coefficient of diffusion of excitation energy for Cr^{3+} in Al_2O_3 and MgO . Orig. art. has: 9 formulas.

SUB CODE: ~~02~~ 20/ SUBM DATE: 05Sep64/ ORIG REF: 006/ OTH REF: 007

Card

2/2 *g*

L 36436-66 EWT(1)/T IJP(c) GG

ACC NR: AP6015423

SOURCE CODE: UR70051/66/020/005/0814/0822

AUTHOR: Nagibarov, V. R.; Nagibarova, I. A.

ORG: none

TITLE: Interaction between impurity particles via the phonon field

SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 814-822

TOPIC TAGS: phonon, metastable state, luminescence center, crystal impurity, dipole interaction

ABSTRACT: The interaction of impurity particles in a crystal lattice via the phonon field of the solvent matrix, leading to energy transfer processes between these particles, is treated theoretically. It is shown that for a Debye model of the crystal, in the visible region of the spectrum, the probability of energy transfer $W \sim Ar^{-4}$, where A is a constant dependent on the nature of the dissolved particles and on the solvent, and r is the distance between the interacting particles. In the range of frequencies below the Debye frequency, $W \sim Ar^{-3}$. Estimates of the order of magnitude yield values which may substantially exceed the reciprocal lifetime of the metastable states. The mechanism considered is predominant when the dipole-dipole interactions are forbidden by the selection rules, and also in cases where the concentration of the impurity centers is insignificant. It is concluded that the interaction via the

UDC: 548.0:620.192.001.1

Card 1/2

L 36436-66

ACC NR: AP6015423

phonon field constitutes a very effective means of energy transfer in optical systems and should influence many processes which involve the participation of metastable states. It is possible that the triplet-triplet transfer is due in many cases precisely to such a mechanism of interaction between luminescent centers. In conclusion, the authors express their thanks to U. Kh. Kopvillem for interest in the work and useful comments. Orig. art. has: 16 formulas.

SUB CODE: 20/ SUBM DATE: 31Dec64/ ORIG REF: 009/ OTH REF: 005

Card

2/2 *85*

L 45795-66 ENT(1) IJP(c) WW/CG
ACC NR: AR6023269

SOURCE CODE: UR/0058/66/000/003/D050/D050

AUTHOR: Kopvillem, U. Kh.; Nagibarov, V. R.

TITLE: Quantum-statistical theory of Stark broadening of optical-resonance lines

SOURCE: Ref zh. Fizika, Abs. 3D425

REF. SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 52-60

TOPIC TAGS: quantum statistics, group theory, Stark effect, quantum resonance phenomenon, resonance line, spin orbit interaction, particle interaction, electro-magnetic interaction

ABSTRACT: On the basis of the method of the quantum aftereffect function, a theory is developed for the line contours of optical resonance in crystals at low temperatures. Allowance is made for the contribution due to the scatter of the intercrystalline electric fields, the spin-orbit interaction constant, and two-particle electric and magnetic multipole-multipole interactions. The operators of these interactions are expressed in the form of a contraction of irreducible symmetrical tensors, corresponding to definite point symmetry groups. In the case of single-particle inter-

Card 1/2

45295-50
ACC NR: AR6023269

actions and samples with small concentration of the resonant particles, an explicit closed expression is obtained for the sum of the perturbation series in terms of the internal interactions in the crystal. [Translation of abstract]

SUB CODE: 20

Card 2/2 13

NAGIBAROVA, I.A.

Kinetic phase transitions and the nature of cell potentials. *Bicfizika*
10 no.2:356-358 '65. (MIRA 18:7)

1. Kazanskiy gosudarstvennyy universitet imeni Ul'yanova-Lenina.

L 36436-66 ENT(1)/T IJP(c) GG

ACC NR: AP6015423

SOURCE CODE: UR/0051/66/020/005/0814/0822

AUTHOR: Nagibarov, V. R.; Nagibarova, I. A.

ORG: none

TITLE: Interaction between impurity particles via the phonon field

SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 814-822

TOPIC TAGS: phonon, metastable state, luminescence center, crystal impurity, dipole interaction

ABSTRACT: The interaction of impurity particles in a crystal lattice via the phonon field of the solvent matrix, leading to energy transfer processes between these particles, is treated theoretically. It is shown that for a Debye model of the crystal, in the visible region of the spectrum, the probability of energy transfer $W \sim Ar^{-4}$, where A is a constant dependent on the nature of the dissolved particles and on the solvent, and r is the distance between the interacting particles. In the range of frequencies below the Debye frequency, $W \sim Ar^{-3}$. Estimates of the order of magnitude yield values which may substantially exceed the reciprocal lifetime of the metastable states. The mechanism considered is predominant when the dipole-dipole interactions are forbidden by the selection rules, and also in cases where the concentration of the impurity centers is insignificant. It is concluded that the interaction via the

UDC: 548.0:620.192.001.1

Card 1/2

L 36436-66

ACC NR: AP6015423

phonon field constitutes a very effective means of energy transfer in optical systems and should influence many processes which involve the participation of metastable states. It is possible that the triplet-triplet transfer is due in many cases precisely to such a mechanism of interaction between luminescent centers. In conclusion, the authors express their thanks to U. Kh. Kopvillem for interest in the work and useful comments. Orig. art. has: 16 formulas.

SUB CODE: 20/ SUBM DATE: 31Dec64/ ORIG REF: 009/ OTH REF: 005

Card

2/2 *LS*

NAGIBEDA, N.I. (Leningrad, 95, Pr.Stachek, d.21, kv.60)

From the pages of a Chinese surgical periodical (1953-1958).
(MIRA 14:7)

(CHINA—CANCER)

MAGIBIN, A.A., inzhener.

Device for measuring the moisture content of paper web. Buz.pron 31
no.10:18-19 O '56. (MLRA 10:1)

(Paper industry) (Electronic instruments)

~~NAGIBIN, A.A.~~ inzhener.

Device for automatic stretching of wire and felt. Bum. prom. 32 no.5:
22-23 My '57. (MLRA 10:6)
(Papermaking machinery) (Automatic control)

NAGIBIN, A.A., inzh.; SHCHIPUNOV, V.I., inzh.

Device for the automatic control of the amount of pulp in liquor-flow.
Bum. prom. 36 no.9:28-30 S '61. (MIRA 15:1)
(Papermaking machinery) (Automatic control)

L 34872-66 ENT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(L) BC

ACC NR: AR6014188

SOURCE CODE: UR/0271/65/000/011/A051/A051

AUTHOR: Nagibin, A. A.

TITLE: Decimal scalars (ring counters) using gas-discharge switches

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 11A369

REF SOURCE: Sb. tr. Vses. n.-i. in-t Gosnaka, vyp. 4, 1964, 204-215

TOPIC TAGS: scaler, automatic control, automatic control system, automatic control theory

ABSTRACT: A PD-10M scaler that uses dekatrons was developed in the VNII Goznak. The scaling decade is a self-contained unit which comprises an amplifying-and-shaping circuit, a gas-discharge A-101 dekatron, a 10-point program switch, and a diode coincidence circuit. The supply, switching, input, and output of signals are realized through a plug connector. A slave blocking generator is employed for shaping. Printed circuits are used. Any number of PD-10M scalars can be connected in series, without any intermediate amplifiers or other match elements. A positive count pulse of 3-5 v or higher amplitude ensures stable operation. Five figures. Bibliography of 5 titles. B. U. [Translation of abstract]

SUB CODE: 09 automatic control //

Card 1/1 711/5

UDC: 681.124

L 17374-66 ENT(a)/ENT(1)/EMP(v)/T-2/EMP(k)/EMP(h)/EMP(1) WW

ACC NR: AP6029071

SOURCE CODE: UR/0413/66/000/014/0128/0129

INVENTOR: Gerlovin, L. I.; Chernovin, N. A.; Averin, V. A.; Nagibin, A. Ya.;
Torgashov, A. L.; Aleksandrovskiy, A. A.; Sigachev, V. P.; Mikhaylovskiy, M. M.;
Mironov, M. I.

ORG: none

TITLE: ²⁷Valve with a hydraulic or pneumatic piston drive. Class 47, No. 184684
[announced by the Special Design Office of the Baltic Boiler Building Factory im.
Sergo Ordzhonikidze (Spetsial'noye konstruktorskoye byuro kotlostroyeniya Baltiyskogo
zavoda)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 128-129

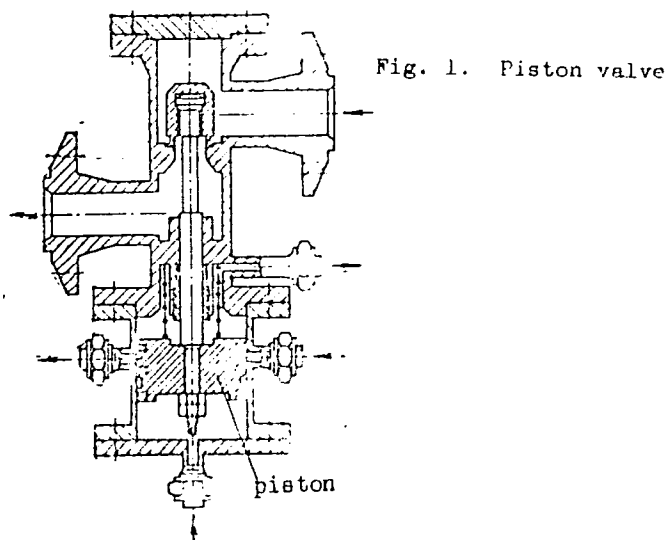
TOPIC TAGS: valve, hydraulic piston drive, pneumatic piston drive, *Hydraulic Service,*
pneumatic Service, piston engine

ABSTRACT: The proposed valve with a hydraulic or pneumatic piston drive is designed
for opening and closing the through flow-section of main and auxiliary pipings. In
order to synchronize the opening and closing of both pipings, its control piston is
provided with an annular groove, which, in the open valve position, connects the

Card 1/2

UDC: 621.646.23-82-85

L 4737L-66
ACC NR: AP6029071



intake and outlet cavities of the auxiliary piping (see Fig. 1). Orig. art. has:
1 figure.

[AV]

SUB CODE: 21 / SUBM DATE: 11 May 65 /

Card 2/2 mjs

NAGIBIN, F. F.

23736 METOD MATEMATICHESKOY INDUKTSII V KURSE SREDNEY SHKOLY.
MATEMATIKA V SHKOLE, 1949, NO. 4, S. 21-29

SO: LETOPIS' NO. 31, 1949

NAGIBIN, F.F.(Kirov)

Explanation of the concept of the function in secondary schools.
Mat. v shkole no.4:33-35 J1-Ag '54. (MIRA 7:7)
(Functions)

BEREZANSKAYA, Yelizabeta Savel'yevna; MAGIBIN, Fedor Fedorovich; LEPESH-
KINA, M.I., redaktor; RYBIN, I.V., ~~tekhnicheskii~~ redaktor

[Collection of problems and exercises in algebra and trigonometry;
for classes 8-10 of the secondary school] Sbornik voprosov i upra-
zhenii po algebre i trigonometrii; dlia VIII-X klassov srednei
shkoly. Izd. 2-e. Moskva, Gos. uchebno-pedagog. izd-vo Ministertva
prosveshcheniia RSFSR, 1955. 159 p. (MIRA 8:7)

(Algebra--Problems, exercises, etc.)

(Trigonometry--Problems, exercises, etc.)

MAGIBIN, F.F. (Kirov)

Use of motion pictures in a course of mathematics for secondary schools.

Mat.v shkole no.3:1-4 My-Je '55. (MLRA 8:7)

(Mathematics--Study and teaching) (Motion pictures in education)

BARKOV, I.Ya., otv. red. (g. Chelyabinsk), BUDANTSEV, P.A., red., (g. Orenburg),
GONIN, Ye.G., red., (g. Perm'), KOCHETKOVA, Ye. S., red., (g. Chelyabinsk),
NAGIBIN, F.F., red., (g. Kirov), SEMENOVICH, A.P., red., (g. Sverdlovsk),
CHAYKOVSKIY, N.A., red., (g. Ural'sk), YAKOVLEV, M.V., red., MAKHOVA,
N.N., tekhn. red.

[Problems in teaching mathematics in secondary schools; a collection
of articles] Voprosy prepodavaniia matematiki v srednei shkole; sbornik
statei rabotnikov kafedr pedagogicheskikh institutov Ural'skoi
zony. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosveshcheniia
ESFSR, 1958. 350 p.

(MIRA 11:10)

(Mathematics --Study and teaching)

AUTHOR: Nařibin, F.F., (Kirov) SOV/1-58-12-28/43

TITLE: Intervuz Scientific and Methodical Conference of Chairs of Mathematics (Konferentsiya matematicheskikh kafedr)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 12, pp 75 - 76 (USSR)

ABSTRACT: The yearly scientific-methodical conferences of the chairs of mathematics of the pedagogical institutes of the Ural have become a tradition. The 16th Conference which took place at the Kirovskiy pedagogicheskiy institut (Kirov Pedagogical Institute) was attended by 162 instructors of 50 vuzes from all over the country. Professor A.I. Markushevich, RSFSR Deputy Minister of Education, participated at the conference. At the plenary meetings, the following reports were discussed: Professor V.I. Levin (Moscow) on the development of instruction in mathematics at secondary schools; Professor A.I. Markushevich - on the concept of values; Docent B.A. Trakhtenbrot (Penza) - on the experience gained in teaching the elements of mathematical logic in a pedagogical vuz; Professor L.I. Volkovyskiy (Perm') - on the organization of work in a special seminar on mathematics; Docent N.N. Kharin (Kirov) - on contradictions in mathematics. Five sections were functioning during the conference. The reports of the following lecturers were heard: Ye.S. Berezanskaya, V.S. and L.S.

Card 1/2

SOV/3-58-12-28/43

Intervuz Scientific and Methodical Conference of Chairs of Mathematics

Karnatsevich, P.A. Budantsev, and N.G. Milina. The proceedings of the conference will be published. The next conference will take place in the Orenburgskiy pedagogicheskiy institut (Orenburg Pedagogical Institute) during the winter vacation of 1958/59.

Card 2/2

1/16 187N, F.F.

16(1)

PHASE I BOOK EXPLOITATION SOV/2508

Matematicheskoye prosveteniye; matematika, yeye prepodavaniye, prikloneniya i istoriya, vvp. 4 (Mathematical Education; Mathematics, its Teaching, Application and History, Nr. 4) Moscow, Gostekhnizdat, 1959. 15,000 copies printed.

Ed. I. M. Bronshteyn; Editorial Board of Series: I. M. Bronshteyn, A. I. Markushevich, I. M. Pagan, Tech. Ed.: S. M. Akhmedov.

PURPOSE: This book is intended for persons without an extensive mathematical education who are interested in trends in contemporary mathematics. The book may be useful to high school mathematics teachers.

COVERAGE: The book consists of articles, reviews, and scientific and methodological reports, some of which are translations from other languages. The state of modern mathematics is covered, including applications, history, teaching of mathematics in schools, and mathematical developments in the USSR and abroad. One section deals with scientific and pedagogical life in the USSR and another contains reviews of certain mathematical publications. Some mathematical background is necessary to understand this book; certain articles require a knowledge of higher mathematics.

Mathematical Education; (Cont.)

SOV/2508

Without the Use of Cardan Formulas
A. Kagan, I. M. Two Tests of Divisibility by Any Odd Number
Not Ending in 5 208

209

IV. SCIENTIFIC AND PEDAGOGICAL CHRONICLE

Macbin, P. P. The 16th Conference of Mathematics Departments of Pedagogical Institutes in the Ural Region 213

Smolyanakiy, M. L. Meeting of Teachers of Correspondence Pedagogical Institutes of the RSFSR 219

Talaf, L. Ya. On the Joint Scientific-Methodological Seminar of the Mathematics Departments of Moscow Vtuozes 221

Innovations in Mathematical Science
1. Muchnik, A. A., and R. Fridberg. The Problem of the Recursiveness of Enumerable Sets 213

Card 6/8

BEREZANSKAYA, Yelizaveta Savil'yevna; KOLMOGOROV, Nikolay Andreyevich;
NAGIBIN, Fedor Fedorovich; CHERKASOV, Rostislav Semenovich;
LEPESHKINA, M.I., red.; GOLOVKO, B.N., tekhn.red.; KORNEYEVA,
V.I., tekhn.red.

[Collection of problems and exercises on geometry; textbook for
secondary school teachers] Sbornik zadach i voprosov po geo-
metrii; posobie dlia uchitelei srednei shkoly. Moskva, Gos.
uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1959. 207 p.

(MIRA 13:10)

(Geometry--Problems, exercises, etc.)

NAGIBIN, F.F. (Kirov)

Organizing scientific research in the field of mathematical
methodology. Mat. v shkole no.1:59-61 Ja-F '59.
(MIRA 12:1)

(Mathematics)

KAGIBIN, V.V. (Zinov)

sixteenth conference of mathematic departments of the
Institute of the Ural Zone. Mat.ros. no.4:213-217 '61.

(1961)

(Mathematics--Congresses)

BUDANTSEV, P.A., red. (g.Orenburg); KARNATSEVICH, V.S., red. (g.Tyumen');
KOLMOGOROV, N.A., red. (g.Kirov); KOCHETKOVA, Ye.S., red. (g.Chelya-
binsk); NAGIBIN, F.F., red. (g.Kirov); YAKOVKIN, M.V., red.; SHCHEP-
TEVA, T.A., tekhn. red.

[Teaching mathematics in secondary schools; second collection of
articles by the stable members of the Ural pedagogical institutes]
Voprosy prepodavaniia matematiki v srednei shkole; vtoroi sbornik
statei rabotnikov kafedr pedagogicheskikh institutov Ural'skoi zony.
Posobie dlia uchitelei. Moskva, Gos. uchebno-pedagog. izd-vo M-va
prosv. RSFSR, 1960. 214 p. (MIRA 14:10)

(Mathematics—Study and teaching)

NAGIBIN, F.F. (Kirov)

Conference of graduates of the Kirovo Pedagogical Institut.
Mat.v shkole no.4:92-93 J1-ag '60. (MIRA 13:9)
(Education--Congresses)

NACIBIN, Fedor Fedorovich; PONOMAREV, S.A., red.; KARPOVA, T.V., tekhn.
red.

[Mathematical chest] Matematicheskaja shkatulka. Izd.2. Moskva,
Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1961. 164 p.

(MIRA 14:11)

(Mathematics---Juvenile literature)

POTOTSKIY, Mikhail Vladimirovich; BESKIN, N.M., dots., retsenzent;
VEYTSMAN, I.B., retsenzent; GIBSE, I.A., dots., retsenzent
[deceased]; LYAPIN, S.Ye., prof., retsenzent; MAGIBIN, F.F.,
dots., retsenzent; MENCHINSKAYA, N.A., prof., retsenzent;
UMANSKIY, G.S., red.; MAKAROVA, N.F., tekhn. red.

[Pedagogical basis of the teaching of mathematics; a manual
for teachers] O pedagogicheskikh osnovakh obucheniia matema-
tike; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 198 p.
(MIRA 17:1)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR
(for MENCHINSKAYA).

KILINA, N.G.; KAGIBIN, F.F. (Kirov)

Some methodological problems in elementary algebra. Mat. v shkole
no.4:73-76 J1-Ag '73. (MIRA 10:9)
(Algebra—Study and teaching)

NAGIBIN, G. A.

Nagibin, G. A. "Mistakes in diagnosing an abscess of the lungs and tuberculosis,"
Voen. - med. zhurn., 1948, No. 12, p. 14-23

SO: U-2888, Letopis Zhurnal'nykh Statey, N_o. 1, 1949

AUTHOR		TITLE AND SUB-TITLE		DOCSIMILS AND PROPERTIES INDEX		REF AND CIT. CODES	
NAGIBIN, G.V.							
CA				Use of talc-magnesite refractories. G.V. Nagibin. Doklady Akad. Nauk SSSR, No. 2-3, 12-13(1945).—Attempts to det. properties of refractories made from talc-magnesite rock are discussed. This rock consists essentially of $4\text{SiO}_2 \cdot$ $11\text{MgO} \cdot \text{H}_2\text{O}$ and MgCO_3 , and is relatively soft, so the de- sired products can be cut out of the rock and later fired. Ladies withstanded 8-10 melts of electrically melted steel. M. V. Kondole		19	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION							
SUBJECT SYNONYMS				CROSS REFERENCE			
SYMBOL NO.				RELATIONSHIP OR DIV. NO.			

NAGIBIN, G. V.

NAGIBIN, G.V., inzh.

Paying attention to efficiency promoters guarantees creative
successes. Izobr. v SSSR 2 no.9:42-45 S '57. (MIRA 10:10)
(Efficiency, Industrial)
(Suggestion systems)

AUTHOR: Nagibin, G. V.

72-2-7/10

TITLE: Innovators and Inventors of Forward-looking Factories
(Ratsionalizatory i izobretaleli peredovykh zavodov)

PERIODICAL: Steklo i Keramika, 1957, Vol. 14, No. 2, pp. 26-29 (U.S.S.R.)

ABSTRACT: This is an exhortation urging the introduction of progressive ideas into factory work based on discussions at a conference of innovators and inventors held at the Kremlin in October of 1956. The material for discussion centered around the operations of the Guchkov and Bulgannin ceramics factories. At all construction-material factories, inspection competitions are held each year on the introduction of inventions, technical improvements and suggestions of innovators. At the factories mentioned, constant publicity is carried on through posters and other means to get new ideas. Special offices exist to help innovators and inventors. Figures are given of the results attained in increasing production and reducing costs.

Card 1/2

Innovators and Inventors of Forward-looking Factories 72-2-7/10

The table shows a comparison between the two factories covering numbers of suggestions presented, numbers accepted, and numbers adopted, economy effected, numbers of inventors and innovators and average numbers of workers.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 2/2

NAGIBIN, G.V.; BUDNIKOV, P.P., akademik, zasl. deyatel' nauki i tekhniki RSFSR i Ukr.SSR, retsenzent; MATVEYEV, M.A., prof., doktor tekhn. nauk, red.; GRONDA, V.I., red.; SHVETSOV, S.V., tekhn. red.

[Principles of building materials technology] Osnovy tekhnologii stroitel'nykh materialov. Pod red. M.A. Matveeva. Vladimir, Rosvuzizdat, 1963. 363 p. (MIRA 16:5)

1. Akademiya nauk Ukr.SSR, chlen-korrespondent Akademii nauk SSSR (for Budnikov).

(Building materials)

KALASHNIKOVA, L.M., kand. ekon. nauk; YERKHE, P.S.; ZAGORCHIE, U.V.
[deceased]; KALASHNIKOV, V.D.; KAGLIN, G.V.; RYABOVA, G.A.,
red.

[Organization and planning of production in building mate-
rials industry enterprises] Organizatsia i planirovani-
e proizvodstva i predpriyatiy promyshlennosti stroyitel-
nykh materialov. [Moscow], Gosstatizdat, 1965. 144 p.
(MIRA 1:1)

NAGIBIN, L.M.

Injury to epiphysial cartilage during intramedullary osteosynthesis; experimental studies. Ortop.travm.i protez. 20 no.4: 20-24 Ap '59. (MIRA 13:4)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta vosstanovitel'noy khirurgii, travmatologii i ortopedii (dir. - chlen-korrespondent AMN SSSR prof. F.R. Bogdanov) i Gubakhinskoy gorodskoy bol'nitsy no.3 (glavnyy vrach - L.M. Nagibin).

(FRACTURES, exper.

intramedullary nailing, inj. of epiphysial temporary cartilage (Rus))

(CARTILAGE, physiol.

eff. of exper. fract. nailing on epiphysial temporary cartilage (Rus))

NAGIBIN, L.M.

Phalangization of the metacarpal bones. Ortop.travm. i protez.
20 no.7:66-67 J1 '59. (MIRA 12:10)

1. Iz Gubakhinskoy, Permskoy oblasti, gorodskoy bol'nitsy
No.3 (glavnyy vrach - L.M.Nagibin) - nauchno-opornogo punkta
Sverdlovskogo instituta travmatologii i ortopedii (ispolnyayush-
chiy obyazannosti direktora - prof.T.S.Grigor'yeva).
(HAND--SURGERY)

NAGIBIN, L.M.

Reduction of a hip dislocation by means of a support. Khirurgiia
no.8:137-139 Ag '61. (MIRA 15:5)

1. Iz khirurgicheskogo oteleniya Gubanskoy gorodskoy bol'nitsy
No.3 (glavnyy vrach L.M. Nagibin), opornogo punkta Sverdlovskogo
instituta travmatologii i ortopedii (i. o. dir. - prof. T.S.
Grigor'yeva).

(HIP JOINT--DISLOCATION)

NAGIBIN, L.M.

Intramedullary nailing in children. Ortop., travm. i protez. 22
no. 3:44-45 '61. (MIRA 14:4)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand.med.nauk Z.P. Lubegina) i opornogo punkta Gubakhinskoy gorodskoy bol'nitsy No.3 (glavnyy vrach - L.M. Nagibin).

(INTERNAL FIXATION IN FRACTURES) (CHILDREN—SURGERY)

NAGIBIN, L.M. (Sverdlovsk 62, ul. Lenina, d.68-b, kv.47)

Effect of extensive destruction of the central portion of the
epiphysial cartilage on the longitudinal growth of the bone.
Ort. travm. i protez. 23 no.10:27-30 O '62.

(MIPA 17:10)

1. Iz Sverdlovskogo instituta travmatologii i ortopedii (dir..
kand. med. nauk Z.P. Lubagina).

NACIBIN, I.M.

Multiple knife injuries to the heart. Khirurgiya no.10:79-80 '64.
(MIRA 18:8)

1. Nauchno-issledovatel'skiy institut travmatologii i ortopedii
(dir. - kand.med.nauk Z.P.Lubagina), Sverdlovsk.

NAGIBIN, L.M., kand.med.nauk (Sverdlovsk 62, ul.Lenina, d.68-b, kv.47)

Universal forceps-vises for the extraction of pins following
intraosseous osteosynthesis. Ortop., travm. i protez. 26
no.4:76-77 Ap '65. (MIRA 18:12)

1. Iz Sverdlovskogo instituta travmatologii i ortopedii (dir. -
kand.med.nauk Z.P.Lubagina).

NAGIBIN, L. N., Cand of Phys-Math Sci -- (disc) "The Stresses in an Anisotropic Medium Having Two Circular Apertures of Equal Radius;" Moscow, 1959, 7 pp (Institute of Mechanics, Academy of Sciences USSR) (KL, 1-0, 114)

NAGIBIN, L.N. (Moskva)

Stresses in a weighable anisotropic half-plane weakened by two
circular holes. Inzh. sbor. 25:122-135 '59.

(MIRA 13:2)

(Elastic plates and shells)

L 16515-66 EWP(4) EM

ACC NR: AP6002621

SOURCE CODE: UR/0258/65/005/006/1064/1073

AUTHOR: Nagibin, L. M. (Saratov)

ORG: none

TITLE: Stress distribution in an anisotropic plate with two nonsimilar circular holes

SOURCE: Inzhenernyy zhurnal, v. 5, no. 6, 1965, 1064-1073

TOPIC TAGS: stress distribution, stress concentration, complex number, numeric solution, stress analysis

ABSTRACT: The stress distribution is obtained in an anisotropic plate which has been weakened by two nonsimilar circular holes. The plate is assumed to be infinite in extent and the circular hole boundaries are free of external stresses (see Fig. 1). The solution is based on the integral equations obtained by D. I. Sherman (Prikl. Matem. i Mekhan., T. VI, 1942). The analysis consists of determining the stress components σ_x , σ_y , τ_{xy} from the secondary stresses in the plate.

The solution is carried out in the complex plane using the complex functions $\varphi_1(z_1)$ and $\varphi_2(z_2)$ where $z_1 = z + \mu_1/y$ and $z_2 = z + \mu_2/y$. A numerical example is given

Card 1/2

UDC: 624.073

L 16515-66

ACC NR: AP6002621

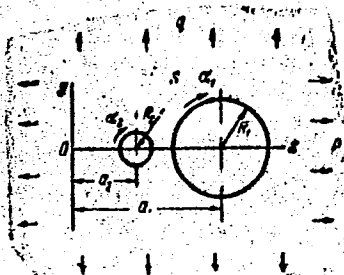


Fig. 1.

for $\mu_1 = 1.89 i$, $\mu_2 = 0.531 i$. Orig. art. has: 27 equations, 2 figures, and 1 table.

SUB CODE: 20, ~~20~~ SUEM DATE: 24Dec64/ ORIG REF: 007/ OTH REF: 001

Card 2/2 *SN*

NAGIBIN, M. I. Cand Med Sci -- (diss) "The Vascularization of the Principal Cartilages of the Skeleton of the Larynx in Connection With Their ~~XXXXXXXXXXXX~~ Ossification (Anatomical Study)." Irkutsk, 1957. 23 pp 20 cm. (Irkutsk State Medical Inst), 220 copies (KL, 28-57, 112)

IVAC-1811, 17.1

USSR/Morphology of Man and Animals (Normal and Pathologic),
Vascular System.

S-3

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17041

Author : Nagibin, M.I.

Inst : -

Title : Vascularization of the Basic Cartilages of the Laryngeal
Skeleton in Association with Their Ossification (An Anatomic Study).

Orig Pub : Irkutskiy med. in-t, Irkutsk, 1957.

Abstract : No abstract.

Card 1/1

NAGIBIN, P. N.

Fisheries - Accounting

Fish industry accounting needs urgent changes., Ryb. khoz., 28, no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____ May _____ 195~~8~~², Uncl.

MAGIBIN, P.V., gornyy inzh.

Reviewing a textbook ("Economics, organisation and planning of production in mine building" by G.I. Popov. Reviewed by P.V. Magibin).
Ugol' Ukr. 4 no.12:39 D '60. (MIRA 13:12)

1. Dnepropetrovskiy gornyy institut.
(Mining engineering) (Popov, G.I.)

NAGIBIN, P.V., inzh.

Concerning A.N. Grammatikov and N.I. Ivanov's book
"Planning and organization of construction in mining enterprises".
Reviewed by P.V. Nagibin. Shakht. stroi. 5 no.5:31-32 My '61.
(MIRA 14:6)

1. Dnepropetrovskiy gornyy institut.
(Mine management)
(Grammatikov, A.N.) (Ivanov, N.I.)

NAGIBIN, P.V., gornyy inzh.

Better organization of accounting for general mine expenditures.
Ugol' Ukr. 5 no.5:35-36 My '61. (MIRA 14:5)

1. Dnepropetrovskiy gornyy institut.
(Coal mines and mining--Accounting)

NAGIBIN, Pavel Vasil'yevich; STANCHENKO, I.K., gornyy inzh., retsenzen;
SURMILO, G.V., prof., otv. red.; GOLUBYATNIKOVA, G.S., red.
izd-va; BOLDYREVA, Z.A., tekhn. red.; PROZOROVSKAYA, V.L.,
tekhn. red.

[Organization and planning of the construction of mining
enterprises] Organizatsiya i planirovaniye stroitel'stva gorn-
nykh predpriyatiy. Moskva, Gosgortekhnizdat, 1962. 504 p.
(MIRA 16:3)

(Mine management)

Val. 1971. V. 1. KANUKA.COM. nat.

Effect of shortening the time of final adaptation or reorganization.
Ukr. 7. n. 11:37-41. 1971. /1971:12:1

1. Dnepropetrovskiy gornyy instytut.

BARSUKOV, Fedor Aleksandrovich; RACHKOVSKIY, Solomon Yakovlevich; NAGIBIN, Pavel Vasil'yevich, kand.ekon.nauk, retsenzent; VEREMEI, Yelena Nikolayevna, retsenzent; MEYGIN, Lazar' Moiseyevich, otv. red.

[Economic efficiency of capital investments in iron mining]
Ekonomicheskaya effektivnost' kapital'nykh vlozhenii v zhe-
lezorudnuyu promyshlennost'. Moskva, Izd-vo "Nedra," 1964.
110 p. (MIRA 17:5)

NAGIBIN, P.V., kand. ekonom. nauk

Selection of the optimal pitch for sinking shafts. Shakht.
stroi. 8 no.4:9-12 Ap'64 (MIRA 17:7)

1. Dnepropetrovskiy goruyy institut imeni Artema.

NAGIBIN, P.V., kand. ekonom. nauk

Mine construction terminology should be put in good order.
Shakht. stroi. 9 no.9:26-27 3 '65. (MIRA 18 9)

1. Dnepropetrovskiy gornyy institut imeni Artema.

NAGIBIN, V.S. (Moskva)

Accumulation of wind energy. Priroda 54 no.12:125 D '65.
(MIRA 18:12)

NAGIBIN, V.S.

Theory of obtaining lean waste slags in the process of copper and
nickel ore smelting. Trudy Inst.met. no.5:70-72 '60. (MIRA 13:6)
(Nonferrous metals--Metallurgy)
(Sulfur dioxide)

MAGIBIN, V.S.; ARKHIPOVA, A.V.

Determination of metallic manganese in slags. Trudy Inst.met. no.5:
196-197 '60. (MIRA 13:6)

(Slag--Analysis)

(Manganese--Analysis)

S/509/62/000/011/017/019
E071/E351

AUTHORS: Nagibin, V.S. and Ugnivenko, M.G.

TITLE: A colorimetric method for determining antimony in metallic germanium

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Trudy. no. 11. Moscow, 1962. Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya. 221 - 223

TEXT: The method comprises the fusion of a germanium samples with sodium peroxide, dissolution of the melt in sulphuric acid, addition of ammonium persulfate and manganese sulfate, double precipitation of metantimonic acid together with manganese dioxide, dissolution of the precipitate in sulfuric acid, addition of potassium iodide with ascorbic acid, and comparing the color intensity of the yellow complex compounds of antimony with those of standard solutions of antimony, similarly prepared (or photo-colorimetrically). The relative error of determination does not exceed 10%. The experimental procedure is described in some detail.

Card 1/1

S/509/62/000/011/018/019
E071/E351

AUTHORS: Nagibin, V.S. and Arkhipova, A.V.

TITLE: Determination of tin and titanium in binary alloys

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Trudy. no. 11. Moscow, 1962. Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya. 224 - 226

TEXT: The method of determining tin and titanium in industrial binary alloys was checked. Tin is determined iodometrically in the presence of titanium; titanium is determined by precipitation with cupferron after the separation of tin (by precipitation with hydrogen sulphide in the presence of citric acid. The tin determination was carried out both in the presence of vanadium and after separation from vanadium. It was found that the industrial method of determining tin in the presence of vanadium was satisfactory. The analytical procedure is described in some detail. There are 2 tables.

Card 1/1

MAKSIMYCHEVA, Z.T.; BABAYEV, A.; FEL'DMAN, M.M.; BRYNZA, A.P.;
DEGTYARENKO, Ya.A.; NAGIBIN, V.S.; ARKHIPOVA, A.V.

Exchange of experience. Zav.lab. 28 no.4:426-427 '62.

(MIRA 15:5)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina
(for Maksimychers, Babayev). 2. Dnepropetrovskiy gosudarstvennyy
universitet (for Fel'dman, Brynza). 3. L'vovskiy politekhnich-
eskiy institut (for Degtyarenko). 4. Institut metallurgii
imeni Baykova (for Nagibin, Arkhipova).
(Metals-- Analysis)

NAGIBIN, V.S.

Permanganatometric method for determining selenium in selenites and
sulfoselenides of lead. Zav.lab. 30 no.12:1450 '64.

(MIRA 1841)

MAQIBIN, V.S.

I 58716-65

EWI(m)/EPP(n)2/EIR/ENP(t)/ENP(b)/EWA(h)

Ps-4/Peb/Pu-4

IJP(c)

JD/KW/JG

AN5016875

BOOK EXPLOITATION

UR/

669:543/545+543.42

Ponomarev, A. I., ed.

Chemical and spectrum analysis in metallurgy; a practical handbook
(Khimicheskiy i spektral'nyy analiz v metallurgii; prakticheskoye
rukovodstvo) Moscow, Izd-vo "Nauka", 1965. 382 p. illus., tables,
index. (At head of title Akademiya nauk SSSR. Gosudarstvennyy
komitet po chernoy i tsvetnoy metallurgii pri Gosplane SSSR.
Institut metallurgii im. A. A. Baykova) Errata slip inserted.
3000 copies printed.

TOPIC TAGS: analysis, chemical analysis, physicochemical analysis,
spectral analysis, slag analysis, steel analysis, iron analysis,
alloy analysis, pure metal analysis, element determination, rare
earth element determination, impurity determination

PURPOSE AND COVERAGE: This book is intended for specialists and
workers at scientific-research and plant laboratories. The book
describes chemical, physicochemical and spectral methods of
analyzing slags, steels, irons, various alloys, and some pure

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14

metals. The determination of rare and rare-earth elements is outlined. Part I of the book deals with the analysis of slags and the determination of basic elements and usual impurities, and describes methods of determining rare-earth elements. Part II deals with the analysis of cast irons and steels and describes, the determination of usual components and tungsten and molybdenum in the presence of niobium, as well as the determination of tantalum, niobium and cerium. Part III includes analysis of metallic chromium, niobium, titanium, nickel, and their alloys. Methods of determining cerium, indium, and gallium in metals and alloys are discussed along with the determination of rare-earth elements by applying the chromatographic method. Part IV deals with spectral analysis including photographic and other various methods. The following members of the Institute of Metallurgy participated in the work: A. A. Astanina, V. S. Nagibin, Ye. N. Kunenkova, Yu. I. Bykovskaya, L. T. Veselago, I. A. Golubeva, N. S. Gertsava, A. S. Slavutinskiy, A. N. Shcheynberg, M. V. Nikitina, and L. D. Barchinskaya.

and the "Macheninskaya"

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AM5016875

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AMST16875

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Ch. X. Determination of Indium -- 320

1. Determination in iron-base alloys -- 322
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3. Determination in germanium-indium-phosphorus alloys -- 323
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Part IV. Spectrum Analysis of Steels, Certain Alloys, and Pure Materials -- 333

SUB CODE: MM

SUBMITTED: 19Jan65

NO REF SOV: 133

OTHER: 015

DATE ACQ: 03Jun65

Cord 5/5 *ellp*

L 3443-66 EWT(m)/EWP(t)/EWP(z)/EWP(b) IJP(c) JD/HW/JG/QS

ACCESSION NR: AT5023107

UR/0000/65/000/000/0320/0323

47
B+1

AUTHOR: Nagibin, V. S.; Mantsevich, A. D.

TITLE: Determination of molybdenum in nickel-base alloys by the dichromate method

SOURCE: Problemy bol'shoy metallurgii i fizicheskoy khimii novykh splavov (Problems of large-scale metallurgy and physical chemistry of new alloys); k 100-letiyu so dnya rozhdeniya akademika M. A. Pavlova. Moscow, Izd-vo Nauka, 1965, 320-323

TOPIC TAGS: molybdenum, volumetric analysis, oxidation, chromate

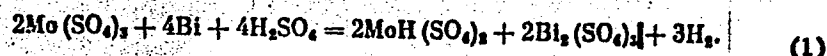
ABSTRACT: Since the conventional gravimetric and volumetric methods of the determination of Mo in Ni-base alloys are complicated and time-consuming and relatively unreliable, the author proposes and describes and experimentally verified method of such determination, the novelty of which lies in that it does not require the prior separation of Mo from Ni and Cr by a NaOH solution. Moreover, than the subsequent oxidation of Mo^{5+} to Mo^{6+} does not involve the use of solutions of

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ACCESSION NR: AT5023107

potassium permanganate or ammonium vanadate and instead is based on using a 0.1 N solution of $K_2Cr_2O_7$. The redox potential of the system $E_0 (Mo^{6+}/Mo^{5+}) = +50$ v, and hence the presence of Cr (Cr^{3+}) and Ni does not interfere with the determination of Mo. The obtained Mo^{6+} is reduced with metallic Bi -- this being the optimal reducing agent in such cases -- in sulfate solutions:



The setup for reducing Mo^{6+} is shown in Fig. 1 of the Enclosure. Reductor 1, filled with lumps of Bi metal, is attached to 500-700 cc conic flask 2 plugged with a rubber stopper with three holes. The tube of reductor 1 is inserted into one of these holes, while bent glass tube 3, reaching the bottom of the reaction flask, is inserted into another hole. The other, bent end of tube 3 is attached to a Kipp CO_2 generator filled with marble and HCl (1:3). The third hole in the rubber stopper remains open and serves as an outlet for the CO_2 escaping from the reaction flask. When cock 6 of the Kipp generator is open, CO_2 enters the reaction flask via two washing flasks 4, 5, filled with a 5% solution of $CuSO_4$ and H_2O . In order to oxidize M^{5+} , 20-25 cc of 0.1 N solution of $K_2Cr_2O_7$ and several drops of 0.2%

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ACCESSION NR: AT50231J7

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solution of phenylanthranilic acid are added and the excess $K_2Cr_2O_7$ is titrated with Mohr's salt until the violet color changes to yellow-green. The Mo content of the alloy is calculated from the formula $Mo = (A - KS)T 100/H, \%$, where A is the amount of 0.1 N solution of $K_2Cr_2O_7$ used to oxidize Mo, cc; S is the amount of 0.1 N solution of Mohr's salt used for titration of the excess $K_2Cr_2O_7$ solution, cc; K is the concentration ratio between solutions of $K_2Cr_2O_7$ and Mohr's salt; T is the titer of the $K_2Cr_2O_7$ solution, expressed in grams of Mo; and H is the suspension of the alloy. It is established that the accuracy of determination of Mo increases as the amount of Mo increases from 50 to 125 mg. The relative error of determination of Mo by this method is $0.05 \pm 1.99\%$. Orig. art. has: 1 figure, 4 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: MM, GC

NO REF SOV: 001

OTHER: 000

Card 3/4

L-3143-66

ACCESSION NR: AT5023107

ENCLOSURE: 01

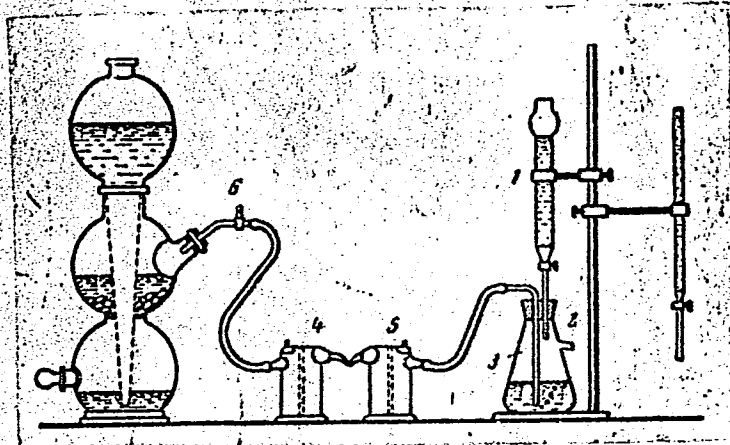


Fig. 1. Diagram of setup for the volumetric determination of Mo

beh
Card 4/4

NAGIBIN, V. V.

Dissertation: "The Effect of Advanced Working Methods of Machine Tool Operators on the Frequency of Repairs." Cand Tech Sci, Moscow Machine Tool and Tool Inst imeni I. V. Stalin, 30 Jun 54. (Vechernyaya Moskva, Moscow, 22 Jun 54)

SO: SUM 318, 23 Dec 1954

NAGIBIN, V.V.

Treatment of eczema and diffuse neurodermatitis with ACTH
and cortisone in compound therapy. Vest. dermat. i ven. 36 no.
10:79-81 '62 (MIRA 16:11)

1. Iz Moskovskoy oblastnoy detskoy kozhno-~~ve~~rologicheskoy
bol'nitsy (glavnyy vrach G.I.Yerofeyev).

*

NAGIBIN, V.V.

Experience in the treatment of fungiform mycosis with the antibiotic
aurantin. Sov. med. 28 no.9. 23-12. 6 '65. (MFA 1819)

I. Kozhno-venerologicheskaya klinika (dir. - doktor med. nauk
prof. V.Ya. Arutyunov) Moskovskiy blizhnego razstoyaniya onkologiya-
teritskogo klinicheskogo instituta imeni Tsvetkovskaya.

NAGIBIN, Ya. D.

25716 NAGIBIN, Ya. D. O Prodolzhenii i Nostii Glavnykh Faz Razvitiya Khlopchatnika.
(Iz Doklada na sessii Akad. nauk. Uz SSR. 1947G.) Dsklady Akad. Nauk
UzSSR No. 4, 1948. s 17-21.-Rezyume na uzbek. Yaz.

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948.

NAGIBIN, Ya.D.; ARABOV, B.

New method for planting cotton. Izv.Otd.est.nauk AN Tadzh.SSR no.11:
13-21 '55. (MLBA 9:10)

1.Otdel khlopkevedstva Akademii nauk Tadzhikskoy SSR.
(Cotton growing)

NAGIBIN, YA. D.

USSR/Technical Crops. Oil Plants. Sugar Plants.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77744.

Author : Nagibin, Ya. D.; Kasymov, D.K.

Inst :

Title : Care of Cotton in the First Stages of Its Development.

Orig Pub: S. kh. Tadzhikistana, 1956, No 5, 8-11.

Abstract: In investigations conducted in 1956 in the Hissar Valley, it was established that care of cotton in the first stages of its development causes rapid growth tempos of the plants and significantly reduces the duration of the vegetation period. Correct care in the first phases of development of the cotton contributes to the formation of a strong root system, which assures the uninterrupted

Card : 1/2

NAGIBIN, Ya.D., prof.; NURMATOV, A.

Effect of sowing methods on the yield of Sorghum cernuum. Zemledelie
25 no.2:32-34 F '63. (MIRA 16:5)
(Varhsh Valley--Sorghum)

NAGIBIN, Ya.D., prof., doktor sel'skokhozyaystvennykh nauk;
KHAYDAROV, E., kand. sel'skokhoz. nauk

Transforming the nature of the S-460 cotton variety. Agro-
biologiya no.6:831-835 N-D '63. (MIRA 17:2)

1. Tadzhiskiy sel'skokhozyaystvennyy institut, Dushanbe.

NAGIBIN, Ya.D., doktor sel'skokhoz. nauk; KARIMOV, Z., aspirant

Sorgo varieties for the Gissar Valley. Zemledelie 25 no.11:
55-56 N '63. (MIRA 17:2)

MAQIBIN, Yu. A., Cand Tech Sci — (diss) "To the problem of
free ~~rotatory~~ ^{translational} vibrations in power transmissions of caterpillar
machines. (Study of the vibratory motion of the ~~system~~ ^{driving} "driving
wheel -- caterpillar)". Moscow, 1979. 17 pp with schemes

Min of Higher and Secondary Special Education RSFSR. ^{USSR} Order
of Lenin and Order of Labor Red Banner Higher Tech School im
Bauman). 100 copies (KL, 38-59, 117)

NAGIBINA, A.G.

PLEASE : BOOK EXPLANATION

8004/14592

Moscow. Gosstatizvuznyy nauchno-issledovatel'skiy institut plasticheskikh mass
Iskusstvennyye i obshchiye voprosy plastikov (Investigations in the
Field of Thermoplastic Materials) Moscow, Gosstatizvuz, 1959. 98 p.
1,000 copies printed.

Wires slip inserted. 1,000 copies per...

Секретное Агентство Государственной безопасности Советского Союза
вместе с органами Министерства внутренних дел
и Государственной милиции.

U.S. Army, Fort Meade, Md. To: O. Stephen

PURPOSE: This book is intended for chemical engineers and technicians and research chemists interested in thermosetting plastics.

CONTENTS: The collection contains 11 articles which reflect some better efforts and achievements in synthesizing plastics with the special physicochemical properties and characteristics of amino acids, bases, and amino-alcohols. So permeabilities are discussed, too. Other articles are mainly Greek and English, with several mentioned. References given are articles.

Premix and Cures are:

(Increased),	8. M. Belling,	and 0. 6. Brodsky.
Berry, O. E.,	G. N. Bell,	and 0. 6. Brodsky.

Materials from this

possible type combinations	baseline	combined with known, mean	working
Combinations			

Water and Acid-Bleachant and Electric Ammonia
[Familiar to Phenolite] Practice

terov. 0. 8. (Increased), and h. m. p. 14. 10. 10. The resulting results from

and are resistant to alcohol and their use in industry.

Kennedy, J. D., and
Wolfgang, R. F.
and Dr. I. Col'darisma. East Assistant

Original from Q1477

Grail, H. A., and O. B. KIRKLAND. A NEW METHOD OF DETERMINING THE USE OF BULFITE ALKALIS IN THE PAPER INDUSTRY. *Journal of the Paper Institute*, 1954, 41, 1, 1-10.

active, we are concerned to produce synthetic fuels and plastics.

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Gorodkov, V. B., and A. O. Bogdanov. Сравнительная морфология и систематика насекомых семейства Лариини (Coleoptera: Lariidae). Moscow: Nauka, 1978. 128 p.

Ostera, O. E. Insins and Molding Materials From Consolidated Devel-
opment

Author: B. D. V. P. Polynov, and V. M. Gel'perin. Electric
Anodization of Polymers from Organosilicon Beams

AVAILABILITY: Library of Congress (99036.A22658)

Card 3/3

87430

S/191/60/000/010/002/010

B004/B060

15.8104

AUTHORS: Akutin, M. S., Gorbunov, V. N., Margaritova, M. F.,
Nagibina, A. G., Rusakova, K. A.

TITLE: Synthetic Thermosetting Resins on the Basis of Low-molecular
Liquid Butadiene - Styrene Copolymers

PERIODICAL: Plasticheskiye massy, 1960, No. 10, pp. 6-8

TEXT: The results of experiments conducted for obtaining low-molecular butadiene-styrene copolymers are described. These copolymers were examined for their usability in the production of thermosetting resins. Divinyl and styrene copolymers were produced by a method developed at the kafedra sinteza polimerov MITKhT im. Lomonosova (Chair of Polymer Synthesis of the Moscow Institute of Fine Chemical Technology imeni Lomonosov) (Ref. 10). [Abstracter's Note: The method is not described here]. The initiators used were benzoyl peroxide, diphenyl ethane hydroperoxide, cumene hydroperoxide. The yield obtained under optimum conditions was 60-65% referred to the monomers. The copolymer contained 20% styrene. The polymerization was performed (a) in inert solvents (hexane, heptane, benzene) or in active

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Synthetic Thermosetting Resins on the Basis of
Low-molecular Liquid Butadiene - Styrene
Copolymers

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solvents (CCl_4); (b) in emulsion by the use of 0.3-10% diperoxide as regulator, sodium salts of various sulfonic acids as emulsifiers, at 5-40°C; (c) in toluene in the presence of metallic sodium (1-10%) at 50-90°C. The low-molecular copolymers obtained were examined for their molecular weight, their double bond content, and their 1,4-bonds (by means of perbenzoic acid), and their hardening capacity was tested at 130-180°C. The copolymers obtained by means of sodium (molecular weight 4000-6000, 21-23% 1,4-bonds) are hardened within 8 hours to form a resin which is insoluble to 94%. The substances polymerized in emulsion (molecular weight 3000-5000) and in solution (molecular weight 1000-3000) (50-52% 1,4-bonds) remained elastic after 40 hours of hardening and contained only 83-90% of insoluble substances. The glass reinforced plastics produced therefrom were resistant to humidity and had a breakdown voltage of 18.9-32 kv/mm; bending strength of 1080 kg/cm² and a Brinell hardness of 8.9 kg/mm². Epoxidation by means of peracetic acid or perbenzoic acid yielded resins which contained 3-5.2% epoxide groups, hardened on heating within a few hours and were insoluble to 76-92%. S. S. Medvedev is mentioned. There are 2 tables and 10 references.

Card 2/3

Synthetic Thermosetting Resins on the Basis of
Low-molecular Liquid Butadiene - Styrene
Copolymers

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B004/B060

3 Soviet, 6 US, and 1 British.

Card 3/3

ACCESSION NR: AP4009828

S/0191/64/000/001/0011/0013

AUTHORS: Gorbunov, V. N.; Nagibina, A. G.; Akutin, M. S.

TITLE: Thermally reactive resins based on divinyl polymers

SOURCE: Plasticheskiye massy*, no. 1, 1964, 11-13

TOPIC TAGS: divinyl oligomer, divinyl styrene oligomer,
divinyl oligomer hardening, divinyl oligomer curing, dienol S.,
thermosetting divinyl oligomer, thermosetting
resin, cast polymer, laminated plastic

ABSTRACT: The conditions for preparing divinyl and divinyl-styrene oligomers and thermally reactive compositions based thereon were investigated. The divinyl and styrene are polymerized over metallic sodium at 40-90C to form oligomers having a molecular weight of 1500-20,000. Optimum conditions for hardening the divinyl oligomers include the addition of a vinyl monomer (about 50% vinyl toluene), 4-6 wt.% of dicumyl peroxide initiator and hardening at 150-170C. The exotherms of gelation at various temperatures are presented. These resins have high physical-mechanical property indices. They

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